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**AUTOMATIC LATERAL ACCELERATION LIMITING
AND NON THREAT TARGET REJECTION****ABSTRACT OF THE INVENTION**

The present invention provides a system and method for enabling a vehicle having adaptive cruise control to reduce its speed in a turn according to the vehicle's position within the turn as well as ignoring objects detected during the turn that are not in the vehicle's path. The method of the present invention includes the steps of operating the vehicle in an adaptive cruise control mode such that the vehicle is traveling at a set speed; determining whether the vehicle is in a turn in the vehicle's path by detecting change in the vehicle's lateral acceleration; and when the vehicle is determined to be in the turn, reducing the vehicle's speed according to the vehicle's position in the turn, monitoring for objects and maintaining the vehicle's speed if an object is positioned out of the path of the vehicle.